

Overview

- ø Initial Focus on Water Quality Testing
 - Local citizens met in November 2004 to discuss monitoring of the Corsica River.
 - Met with town, county and state agencies in January 2005 and agreed on approach.
- Ø Other community efforts being done by the same people resulted in a much broader view.
- Ø Led to formation of Corsica River Conservancy.

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Corsica River Testing

- Ø Two "on water" training sessions by MDE
- Ø MDE provided YSI Model 85
- Ø We purchased YSI Model 60 and Secchi disk
- Ø Enterococci testing provided by Health Dept.
- Ø Protocols were written and training conducted
- Ø Weekly tests from May 18 October 26
 - Temperature, clarity, dissolved oxygen, pH, salinity, conductivity and bacteria
 - Tests at two depths: one foot and bottom
 - 19 active citizens
 - 350 volunteer hours
 - 40 boat hours

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Corsica River Testing Results

- Ø Water Clarity
 - Avg. 0.5 meter at headwaters
 - Avg. 1.0 meter at the mouth
- Ø Dissolved Oxygen
 - Between Gunston School and Centreville, 65% of bottom samples were below 5mg/l.
- ø Enterococci
 - 61% of the samples at the wooden bridge exceeded the daily maximum for safe swimming.
 - All samples downstream of Sycamore Point were in limits.
- Ø More detail later

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Other Activities

- Ø Conducted major shoreline restoration.
 - 18 properties/ One mile of shoreline
 - 40+ people involved
 - 600+ volunteer hours
- Ø Conducted SAV grow out
 - 12 week period
 - 28 trays of grasses planted
 - 12 families (Adults and children)
 - 300+ volunteer hours
- ø Monitored SAV for VIMS and NOAA
 - 4 people/12 volunteer hours

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Other Activities

- Ø Queen Anne's Co. High School tree grow out.
 - Assisted staff and students in growing and planting "buffer" trees.
 - 50 students/10–12 adult volunteers
 - 1000 volunteer hours
- Ø Participated as stakeholders and implementers in the Corsica River Watershed Restoration Action Strategy (WRAS).
 - Three volunteers/Innumerable hours

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Other Activities

Ø Actively supporting the Corsica River Watershed Pilot Program.



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- Ø Began plans to incorporate as a non-profit during the summer.
- Ø Received Maryland non-profit status in November, 2005.
- Ø Have Federal 501(c)(3) tax exempt status through an umbrella organization
 - The Foundation For Community Partnerships, Inc.

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Summary Ø All of above was accomplished with pure volunteer effort. Over 2000 volunteer hours (equivalent of 1 person 40 hours/week for 1 year) no overhead no budget. January 19, 2006 Corsica River Conservancy 9



Sampling Locations

- Ø Most testing was at five points on the main stem of the Corsica River
- Ø Tributaries were tested for bacteria on two occasions.
 - Three points on Three Bridges Branch
 - One point on Gravel Run
 - One point on Mill Stream Branch

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Corsica River Water Testing

Main Stem

Tributaries

CR09

CR09

TR213

TR06

GR213

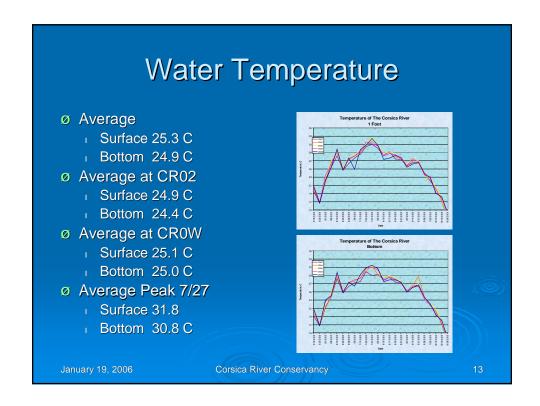
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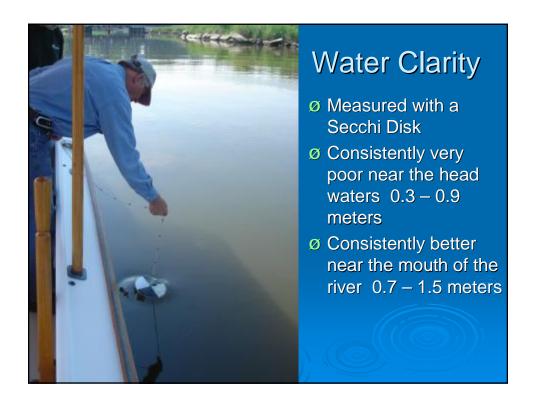
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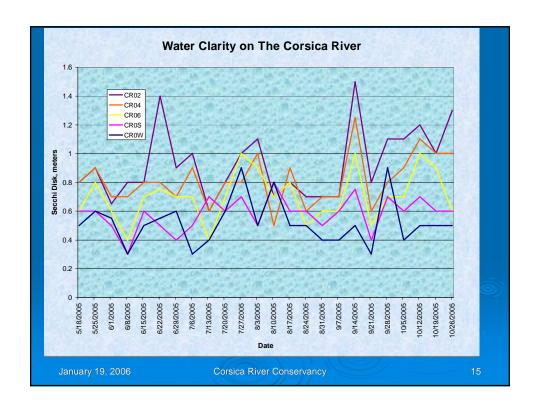
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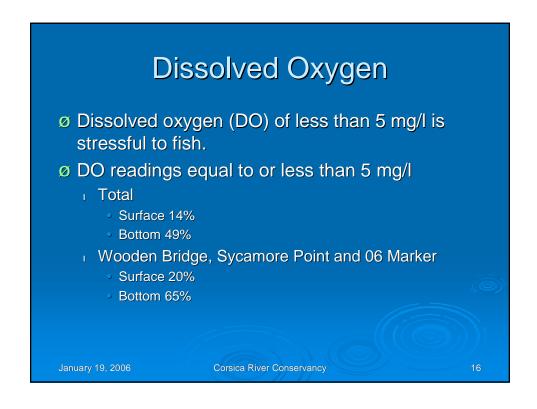
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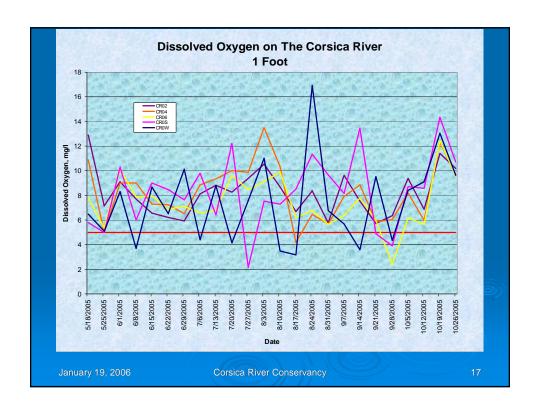
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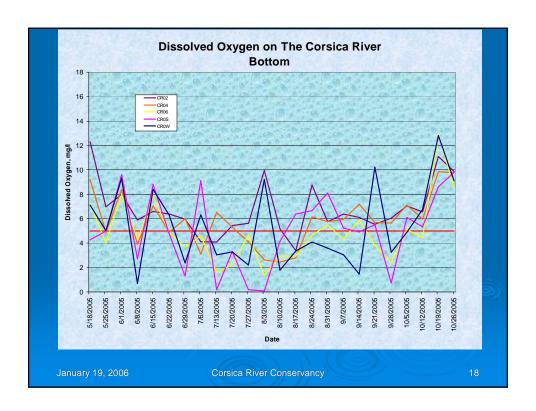


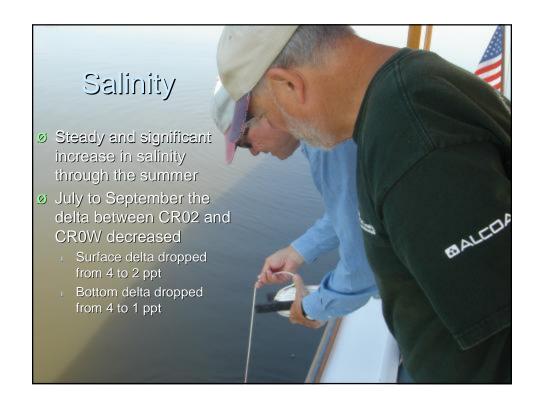


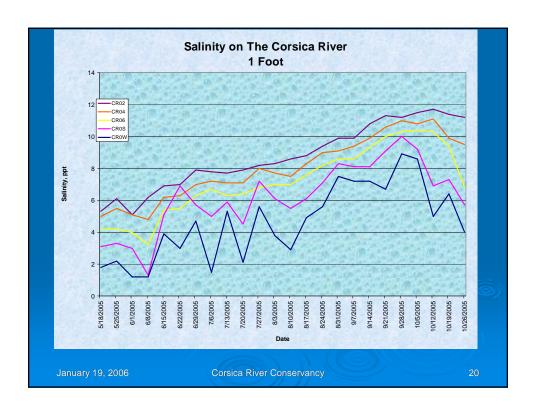


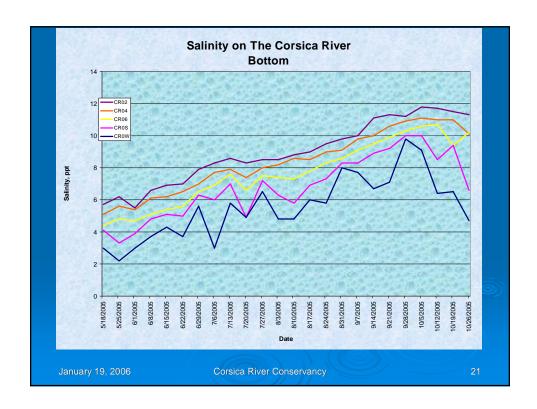


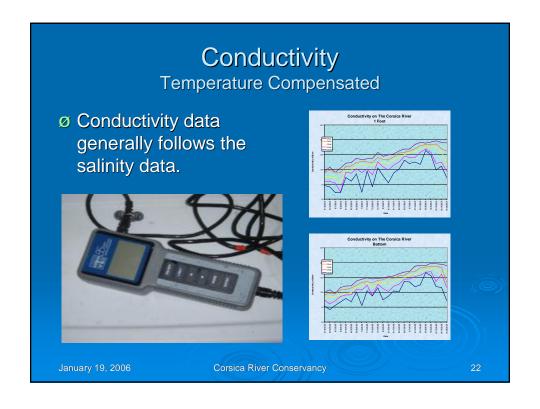


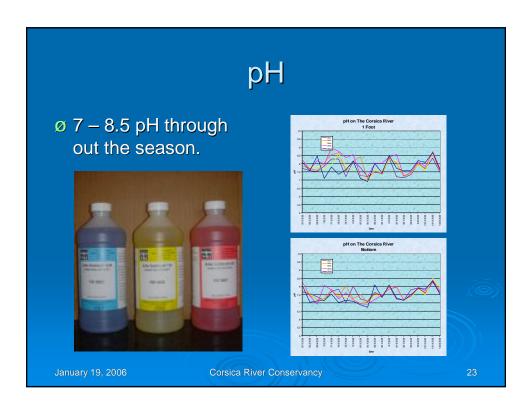


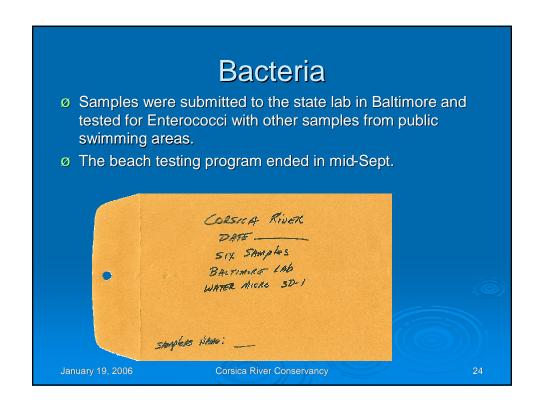


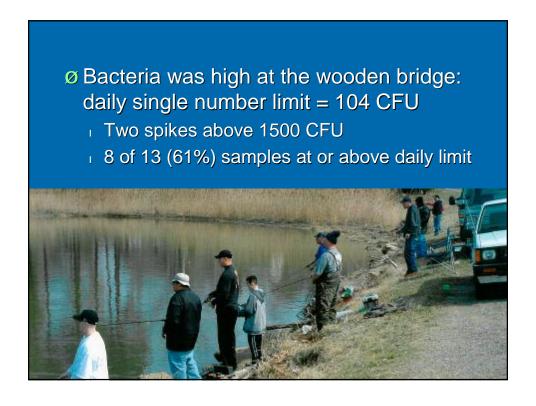




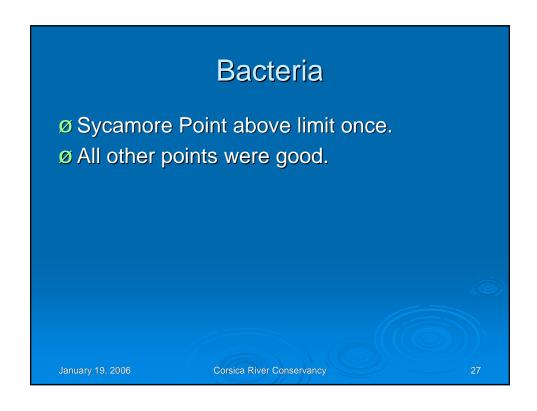


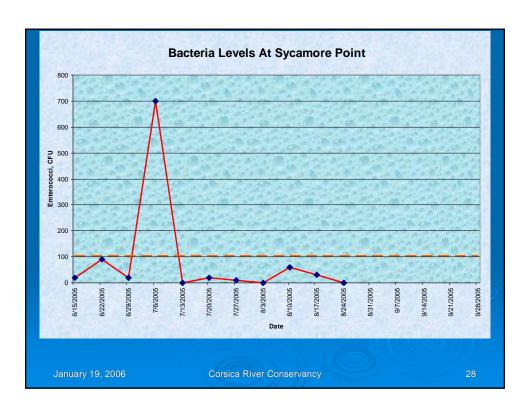




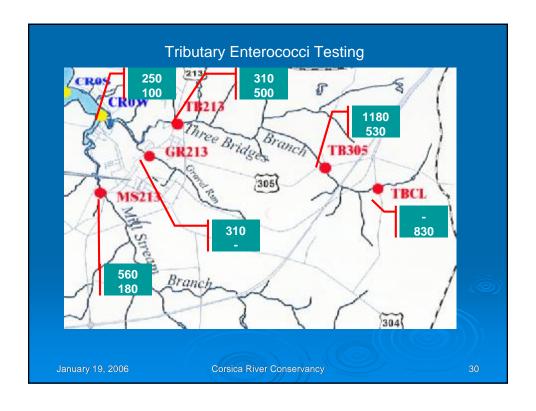








Tributary Bacteria © Consistently high bacteria levels at the headwaters prompted upstream sampling © Tributary data was taken 8/31 and 9/14 © All samples were between 180 -1180 CFU © Each time, the further upstream the higher the bacteria



Path Forward

- Ø Continue river monitoring in 2006.
 - Determine the causes for high bacteria at the headwaters of the Corsica River.
- Ø High School "Tree Grow Out"
- **Ø** SAV Audit
- **Ø** WRAS Implementation
- Ø Septic System upgrades

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Path Forward

- Ø Work with local and state agencies on implementation of Corsica River Watershed Pilot Program.
- Strive to be a positive community influence working with a cooperative can do attitude toward the improvement of the Corsica River.

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